

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121818\
 Data File : VW007608.D
 Acq On : 16 Dec 2018 04:15
 Operator : SY/AP
 Sample : J6378-14
 Misc : 4.65G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD013-0006-01

Manual Integrations
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Quant Time: Dec 17 00:50:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	24349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	45672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	28196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	7406	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	22828	84.51	ug/l	0.00
Spiked Amount			Recovery	=	169.02%	
35) Dibromofluoromethane	7.88	113	17066	61.73	ug/l	0.00
Spiked Amount			Recovery	=	123.46%	
50) Toluene-d8	10.32	98	43818	42.27	ug/l	0.00
Spiked Amount			Recovery	=	84.54%	
62) 4-Bromofluorobenzene	12.62	95	10387	27.25	ug/l	0.00
Spiked Amount			Recovery	=	54.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	8547	181.141	ug/l	100
25) 2-Butanone	7.17	43	5137	83.394	ug/l	92
31) Cyclohexane	7.95	56	45846	109.249	ug/l	96
39) Methylcyclohexane	9.33	83	67511	133.817	ug/l	92
40) Benzene	8.32	78	6650	5.751	ug/l	99
52) Toluene	10.39	92	29977	40.063	ug/l	100
65) Chlorobenzene	11.66	112	310639	528.572	ug/l	88
67) Ethyl Benzene	11.73	91	99217m	98.195	ug/l	
68) m/p-Xylenes	11.84	106	5251195	13368.510	ug/l	89
69) o-Xylene	12.17	106	31709	86.435	ug/l	82
73) Isopropylbenzene	12.47	105	59637	105.092	ug/l	95
78) n-propylbenzene	12.81	91	82412	129.043	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	123127	258.225	ug/l	93
84) 1,2,4-Trimethylbenzene	13.26	105	351967	717.316	ug/l	94
85) sec-Butylbenzene	13.39	105	5085m	8.866	ug/l	
86) p-Isopropyltoluene	13.50	119	26951	52.306	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	20438	81.493	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	185287	734.883	ug/l	96
89) n-Butylbenzene	13.83	91	3235	6.772	ug/l #	47
95) Naphthalene	15.37	128	138482	468.276	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

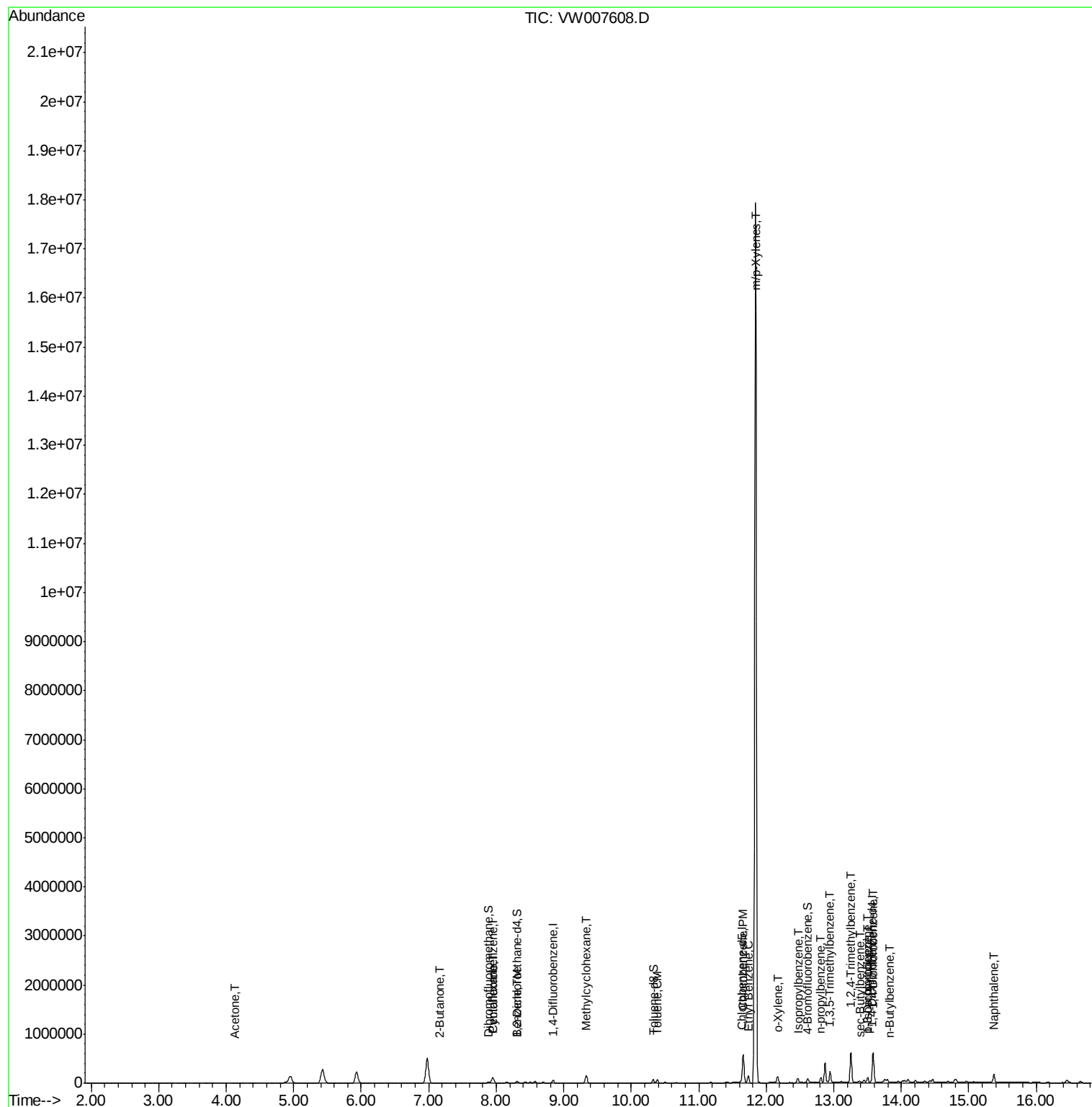
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121818\
Data File : VW007608.D
Acq On : 16 Dec 2018 04:15
Operator : SY/AP
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Misc : 4.65G/5ML/MSVOA_W/SOIL
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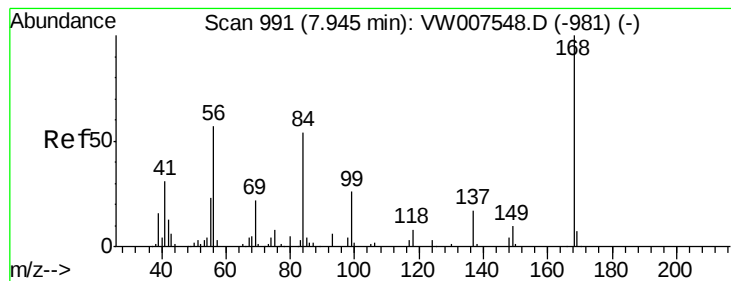
Instrument :
MSVOA_W
ClientSampleId :
P001-SD013-0006-01

Quant Time: Dec 17 00:50:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007608.D

Acq: 16 Dec 2018 04:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SD013-0006-01

Tgt Ion:168 Resp: 24349

Ion Ratio Lower Upper

168 100

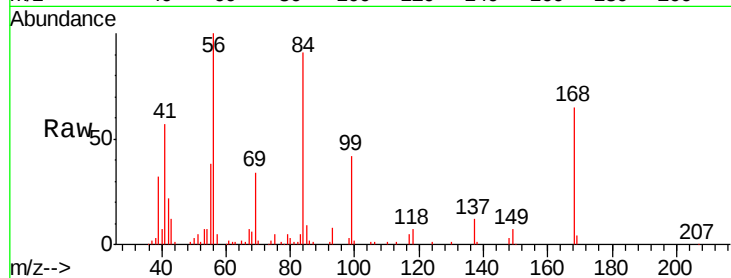
99 64.4 48.3 72.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

12000

10000

8000

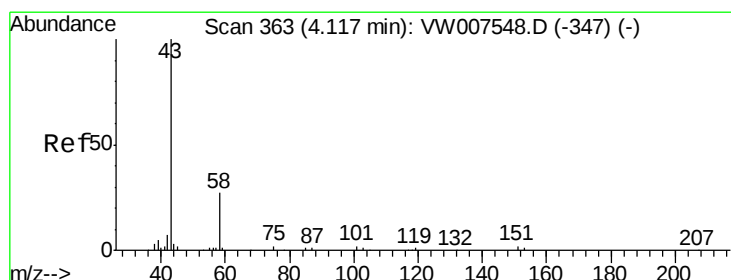
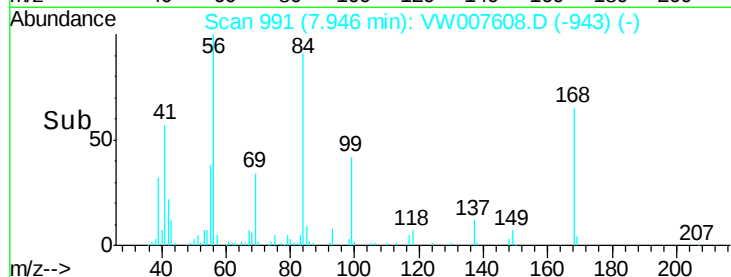
6000

4000

2000

0

Time-->



#16

Acetone

Concen: 181.141 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007608.D

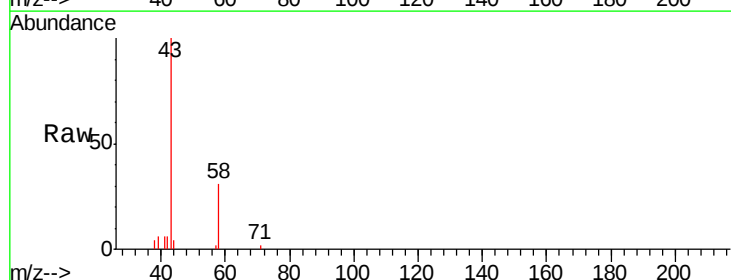
Acq: 16 Dec 2018 04:15

Tgt Ion: 43 Resp: 8547

Ion Ratio Lower Upper

43 100

58 30.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

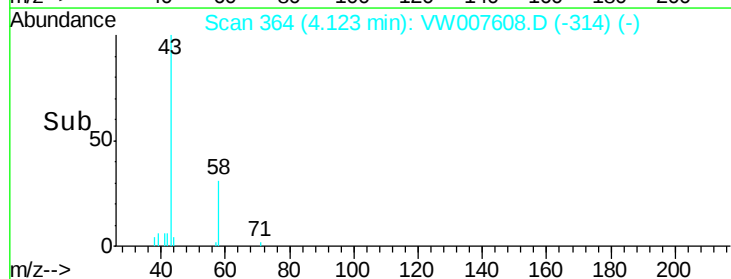
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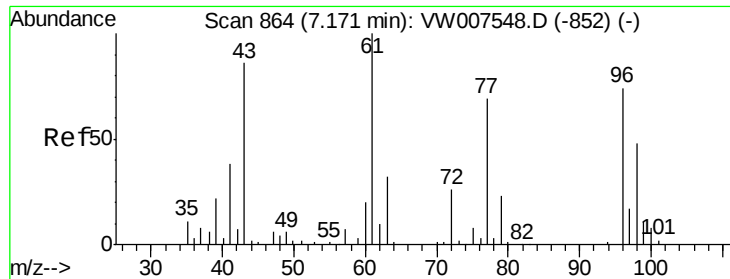
2000

1000

0

Time-->





#25

2-Butanone

Concen: 83.394 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007608.D

Acq: 16 Dec 2018 04:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SD013-0006-01

Tgt Ion: 43 Resp: 5137

Ion Ratio Lower Upper

43 100

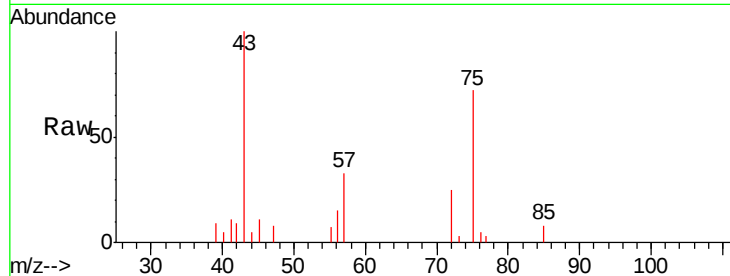
72 25.2 23.4 35.2

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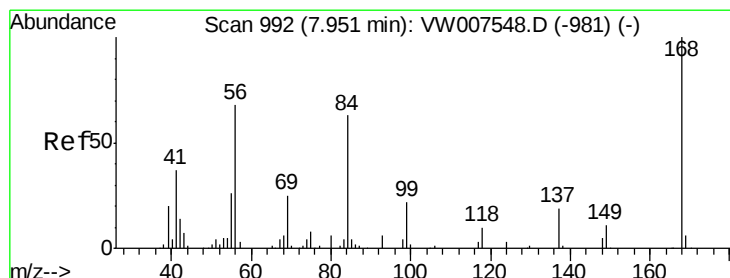
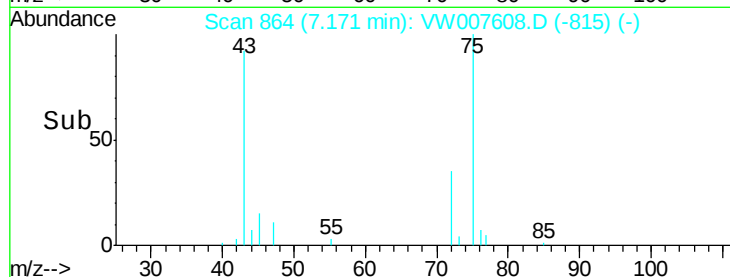
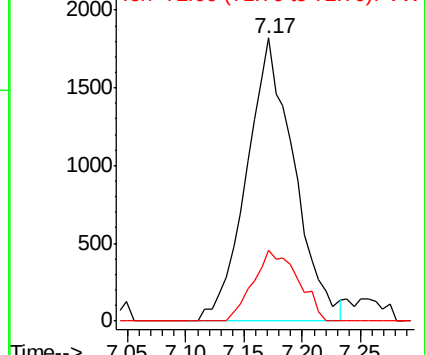
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 109.249 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007608.D

Acq: 16 Dec 2018 04:15

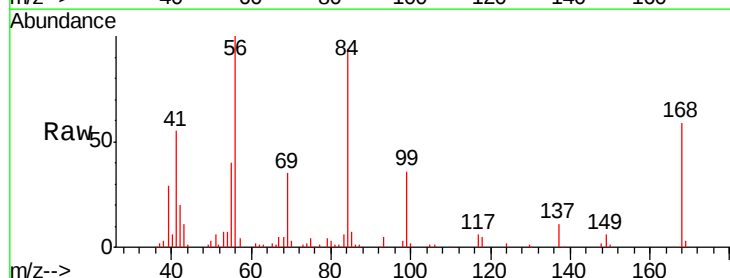
Tgt Ion: 56 Resp: 45846

Ion Ratio Lower Upper

56 100

69 34.7 28.9 43.3

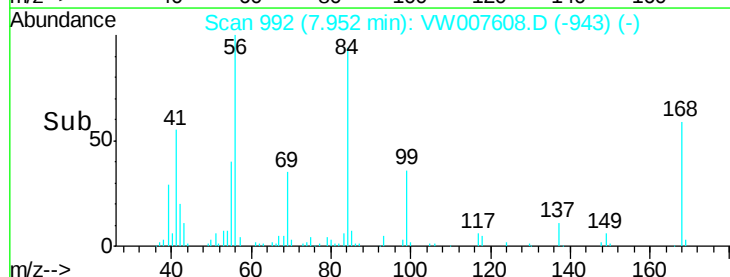
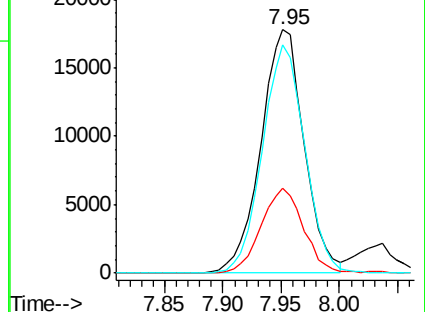
84 93.7 71.8 107.6

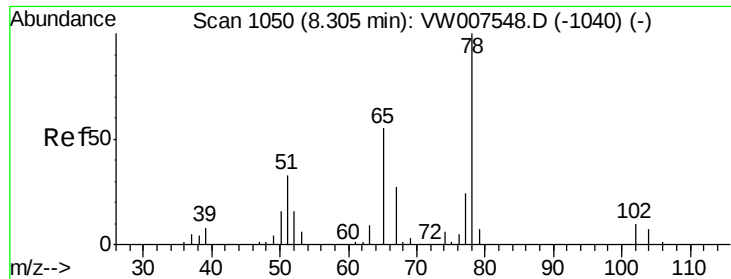


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





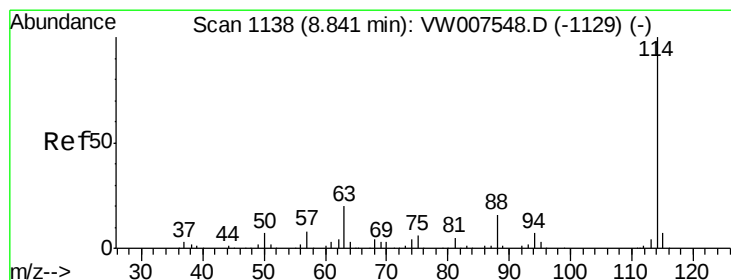
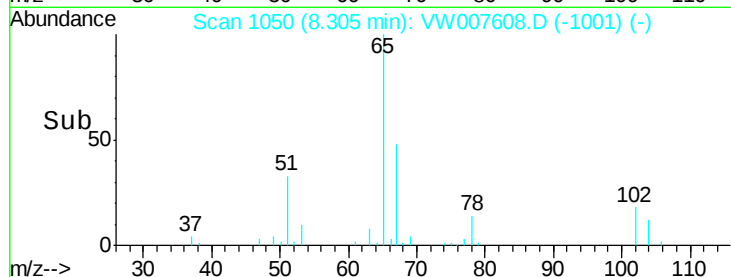
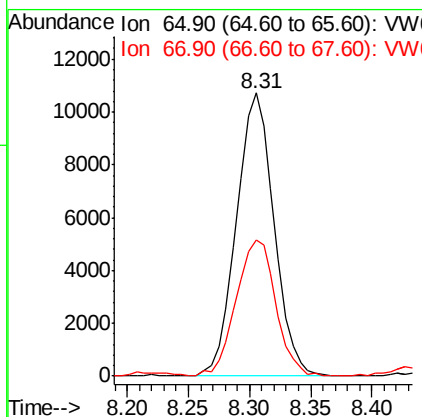
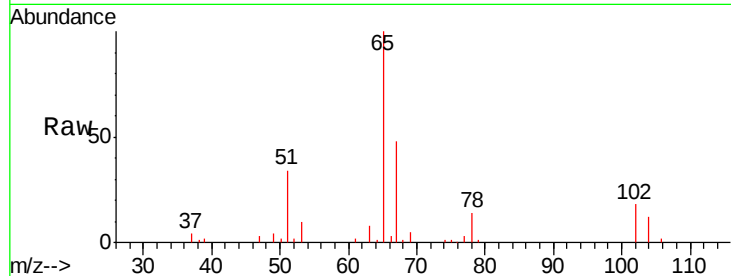
#33
 1,2-Dichloroethane-d4
 Concen: 84.507 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007608.D
 Acq: 16 Dec 2018 04:15

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD013-0006-01

Tgt Ion: 65 Resp: 22828
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.6

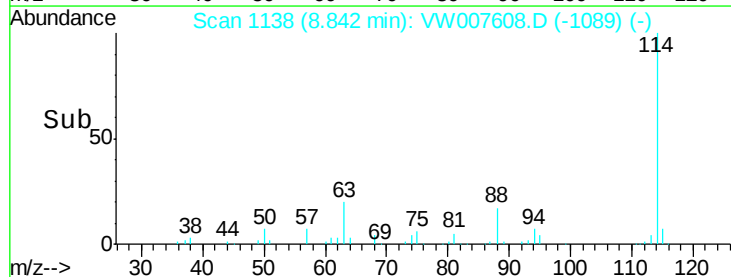
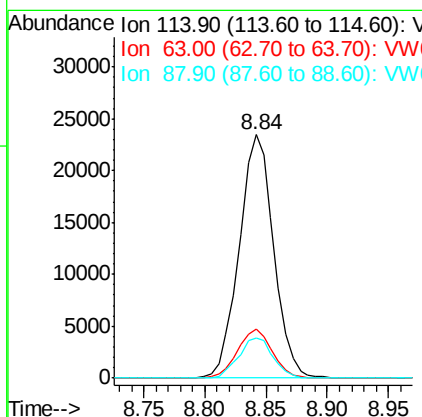
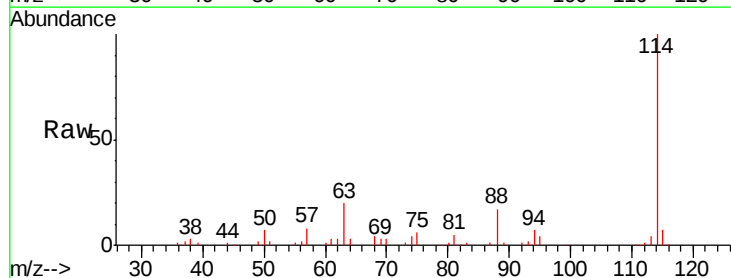
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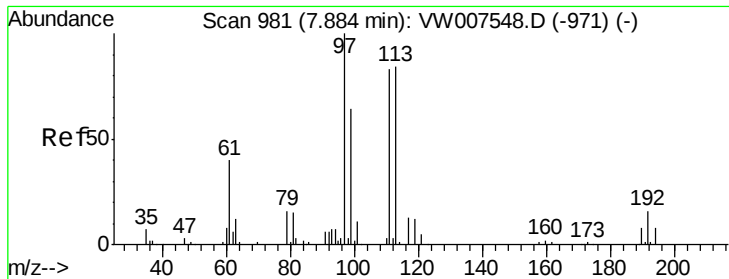
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007608.D
 Acq: 16 Dec 2018 04:15

Tgt Ion: 114 Resp: 45672
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.6
 88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 61.728 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007608.D

Acq: 16 Dec 2018 04:15

Instrument :

MSVOA_W

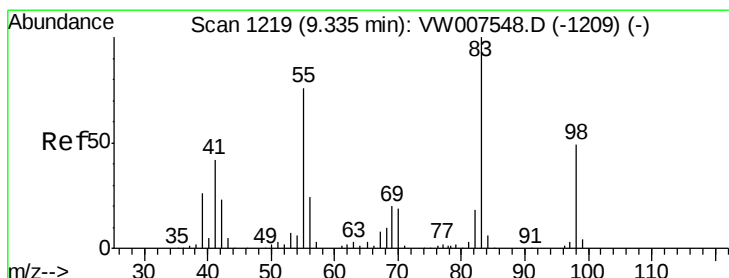
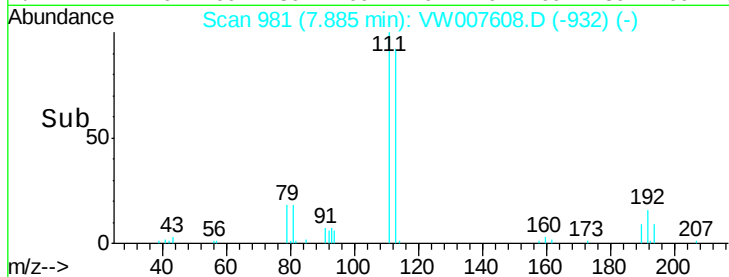
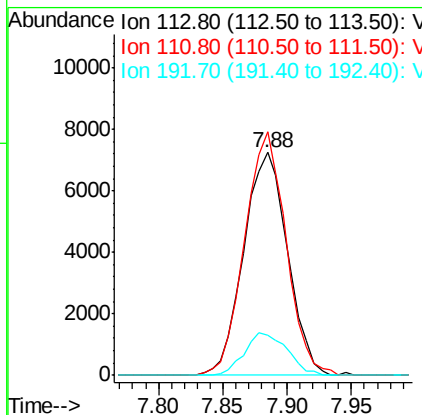
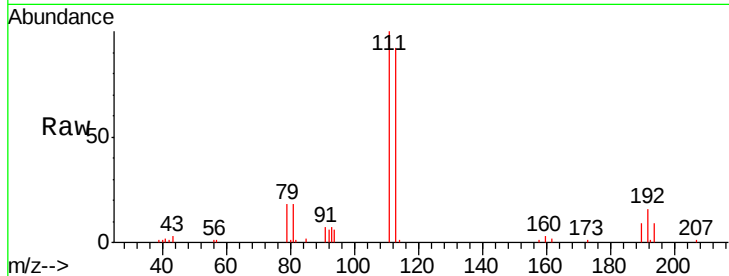
ClientSampleId :

P001-SD013-0006-01

Tgt Ion:	113	Resp:	17066
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.1	121.7
192	18.6	14.6	21.8

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#39

Methylcyclohexane

Concen: 133.817 ug/l

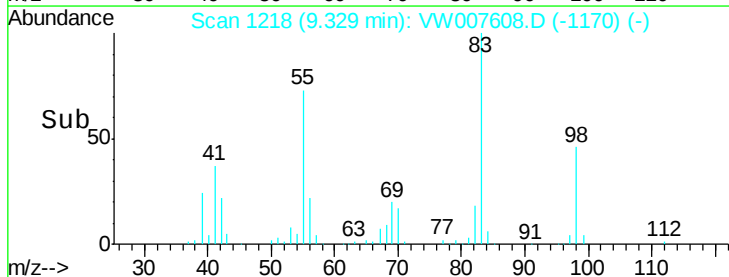
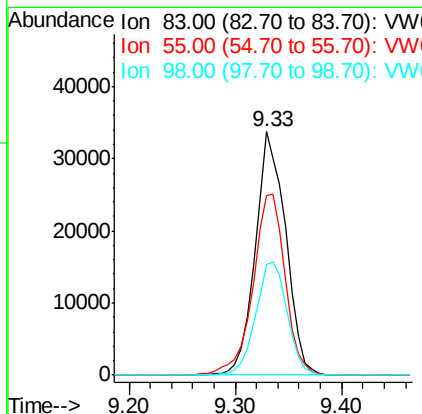
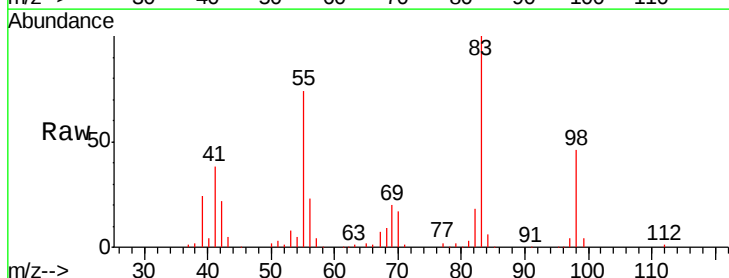
RT: 9.33 min Scan# 1218

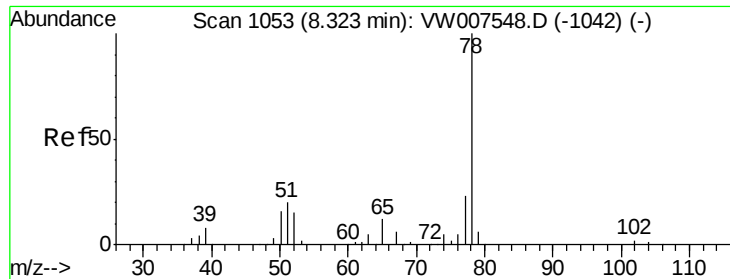
Delta R.T. -0.01 min

Lab File: VW007608.D

Acq: 16 Dec 2018 04:15

Tgt Ion:	83	Resp:	67511
Ion	Ratio	Lower	Upper
83	100		
55	73.3	62.8	94.2
98	45.6	42.2	63.2





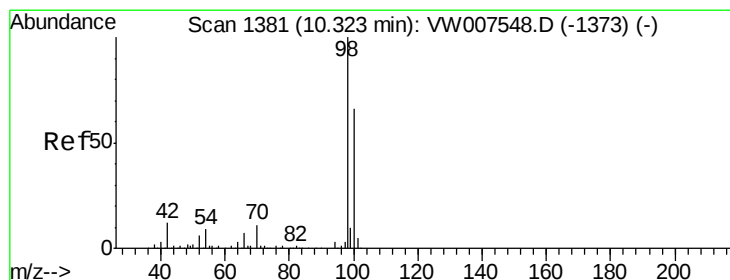
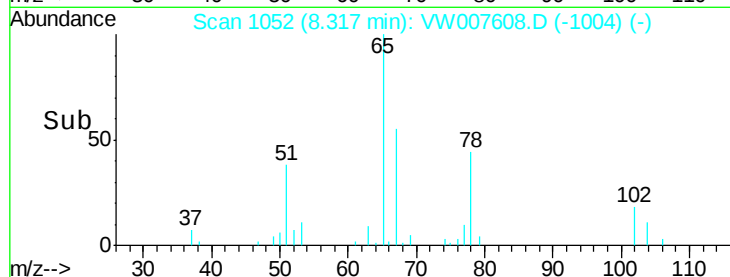
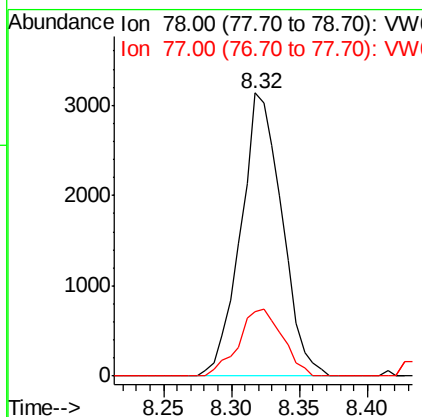
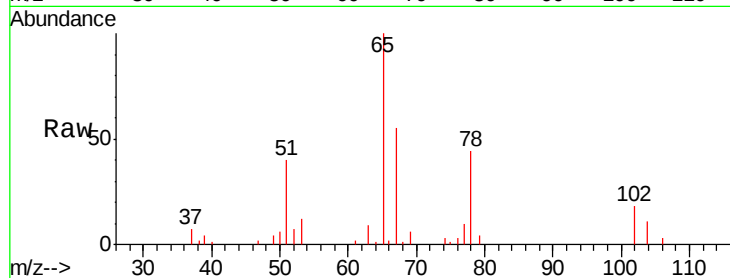
#40
Benzene
Concen: 5.751 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW007608.D
Acq: 16 Dec 2018 04:15

Instrument :
MSVOA_W
ClientSampleId :
P001-SD013-0006-01

Tgt Ion: 78 Resp: 6650
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

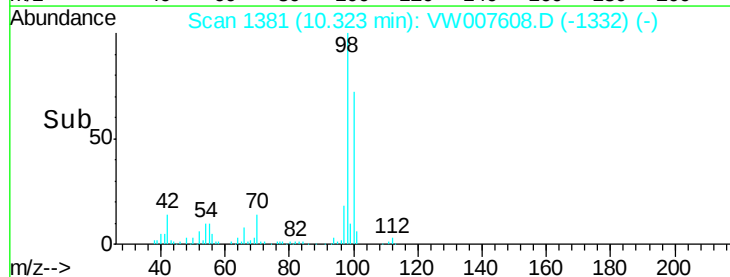
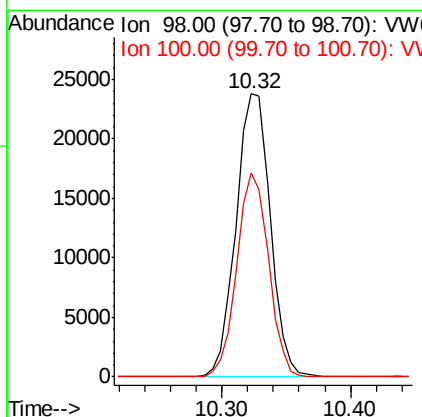
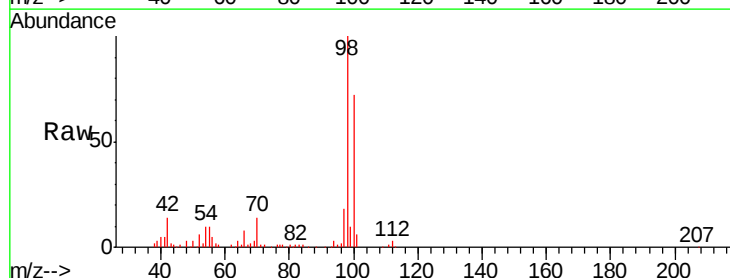
Manual Integrations
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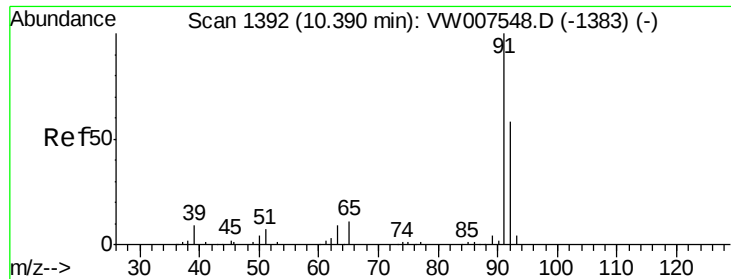
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#50
Toluene-d8
Concen: 42.270 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007608.D
Acq: 16 Dec 2018 04:15

Tgt Ion: 98 Resp: 43818
Ion Ratio Lower Upper
98 100
100 66.6 51.8 77.8





#52

Toluene

Concen: 40.063 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007608.D

Acq: 16 Dec 2018 04:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SD013-0006-01

Tgt Ion: 92 Resp: 29977

Ion Ratio Lower Upper

92 100

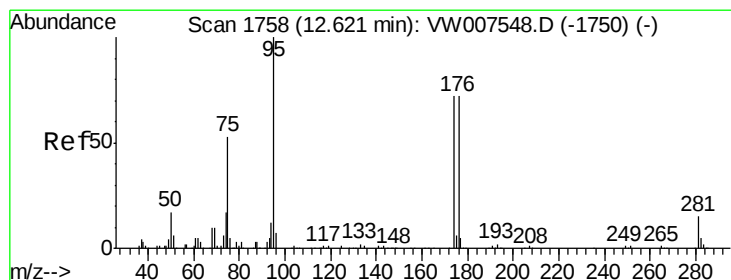
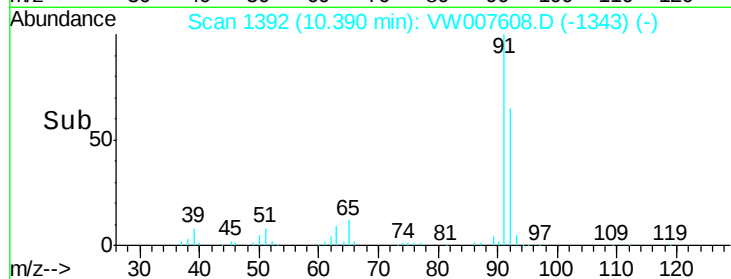
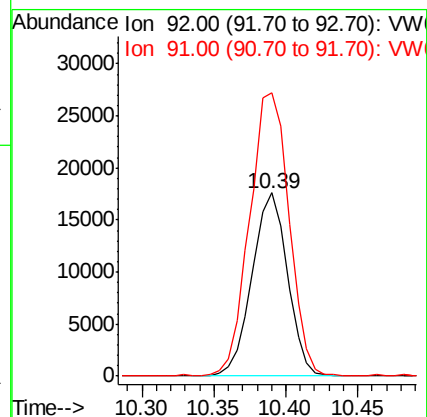
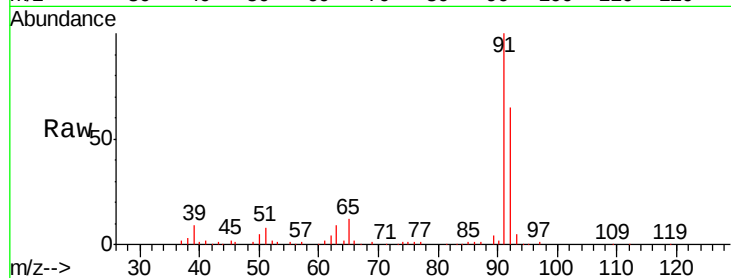
91 170.7 136.2 204.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 27.253 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007608.D

Acq: 16 Dec 2018 04:15

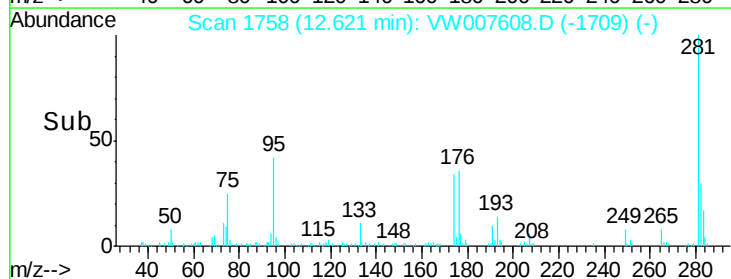
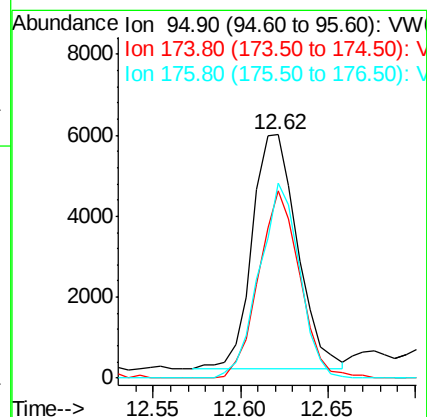
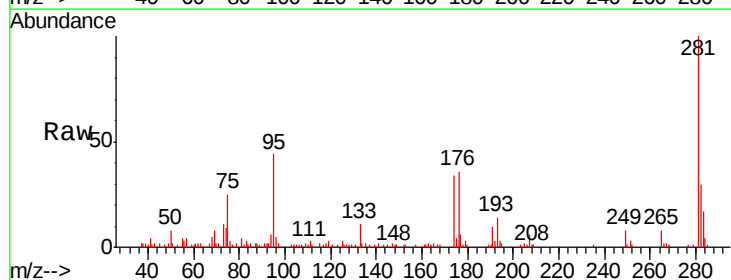
Tgt Ion: 95 Resp: 10387

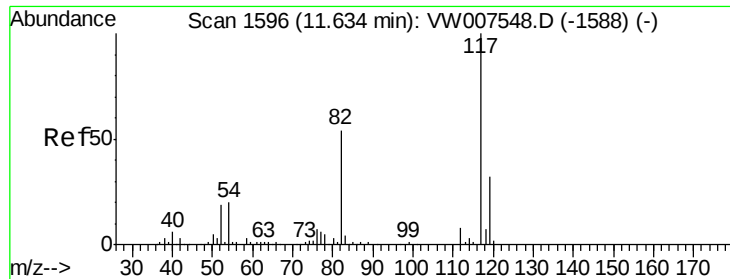
Ion Ratio Lower Upper

95 100

174 73.0 0.0 147.2

176 73.8 0.0 138.8





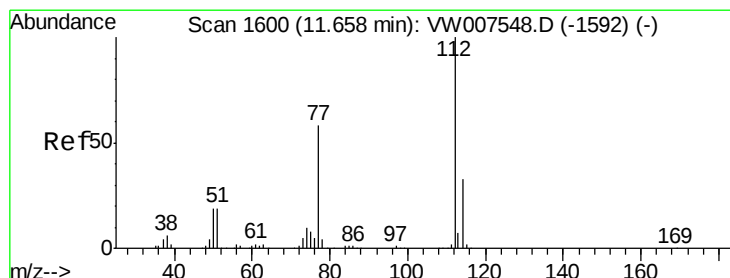
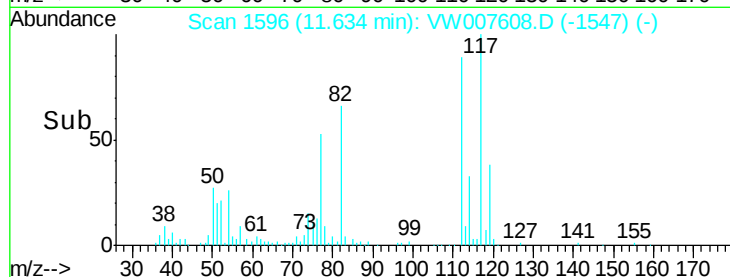
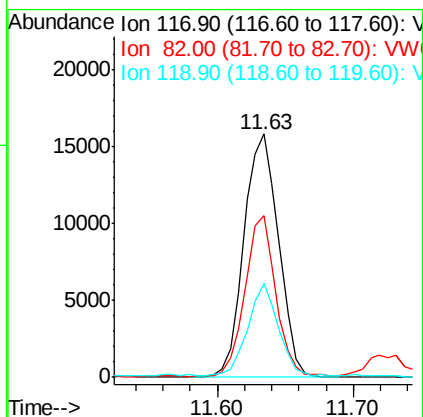
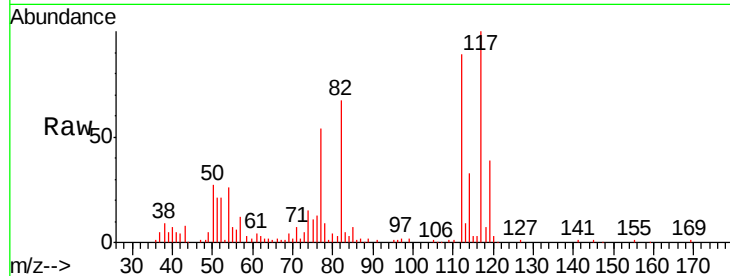
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007608.D
Acq: 16 Dec 2018 04:15

Instrument :
MSVOA_W
ClientSampleId :
P001-SD013-0006-01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.2	42.3	63.5#
119	38.0	23.0	34.6#

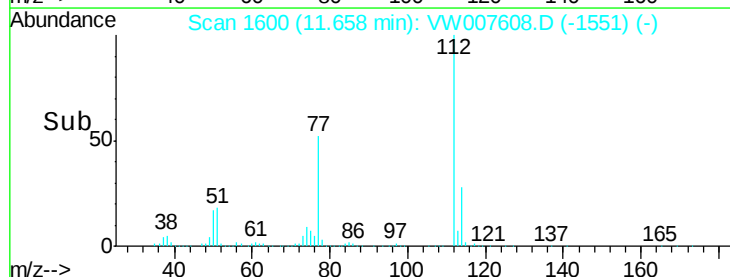
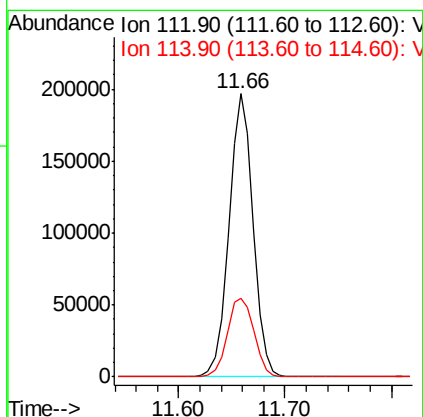
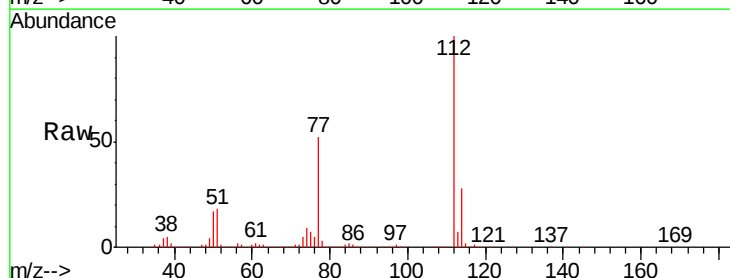
Manual Integrations
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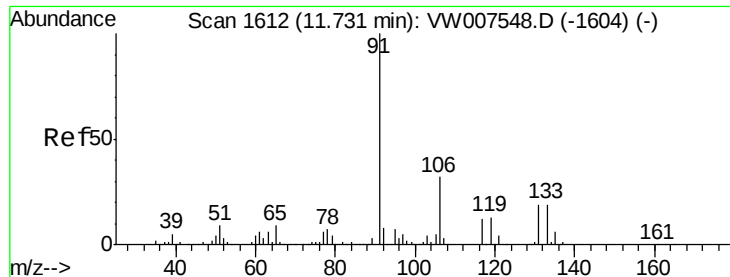
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#65
Chlorobenzene
Concen: 528.572 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007608.D
Acq: 16 Dec 2018 04:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.8	27.8	41.8





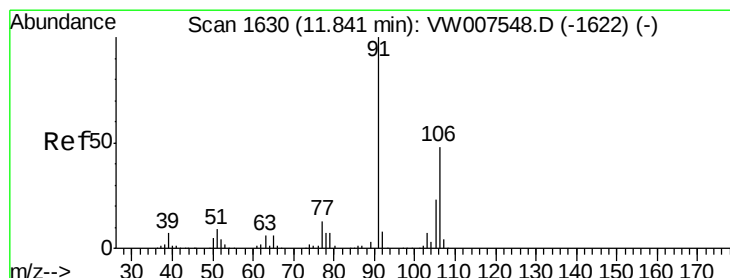
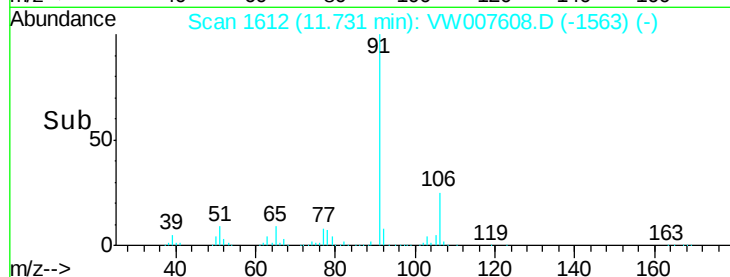
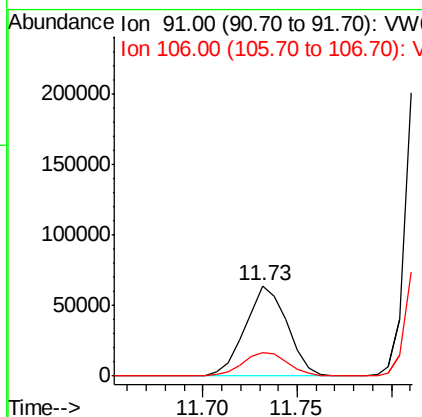
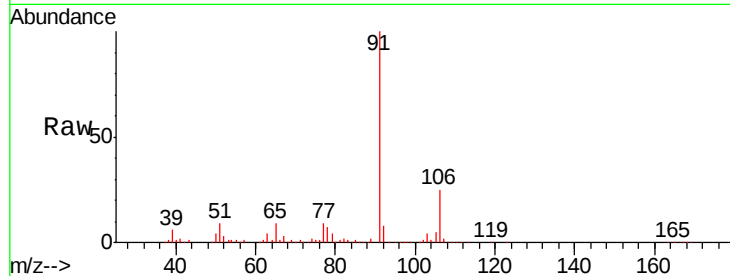
#67
Ethyl Benzene
Concen: 98.195 ug/l m
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007608.D
Acq: 16 Dec 2018 04:15

Instrument :
MSVOA_W
ClientSampleId :
P001-SD013-0006-01

Tgt Ion: 91 Resp: 99217
Ion Ratio Lower Upper
91 100
106 25.4 21.8 32.8

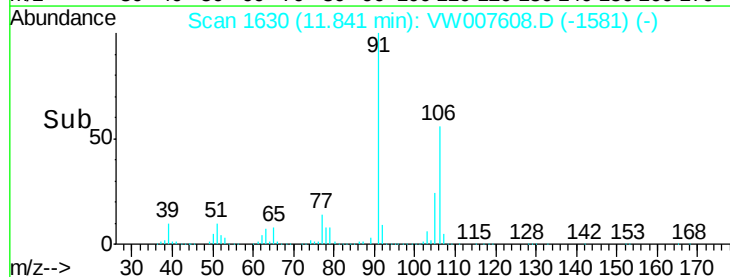
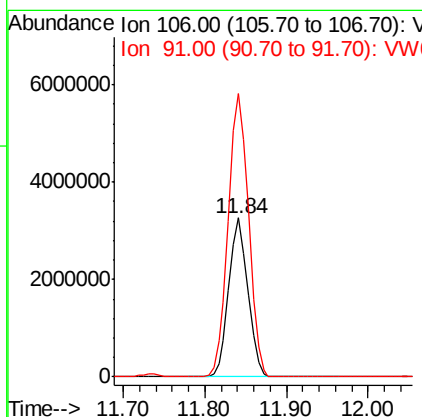
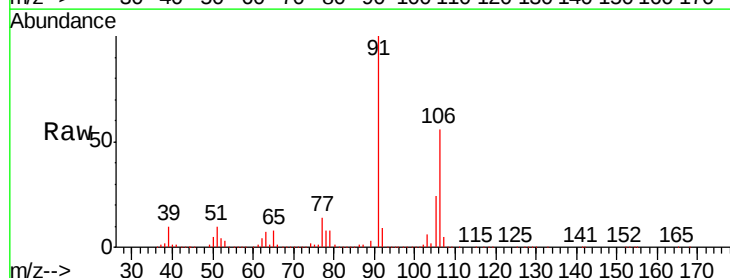
Manual Integrations
APPROVED

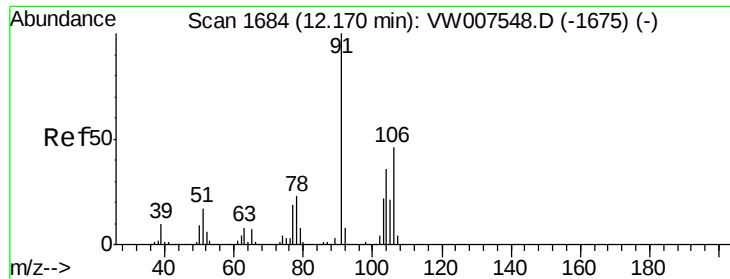
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#68
m/p-Xylenes
Concen: 13368.510 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007608.D
Acq: 16 Dec 2018 04:15

Tgt Ion: 106 Resp: 5251195
Ion Ratio Lower Upper
106 100
91 189.6 165.3 247.9





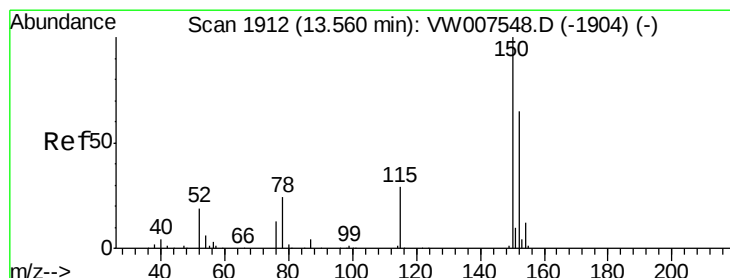
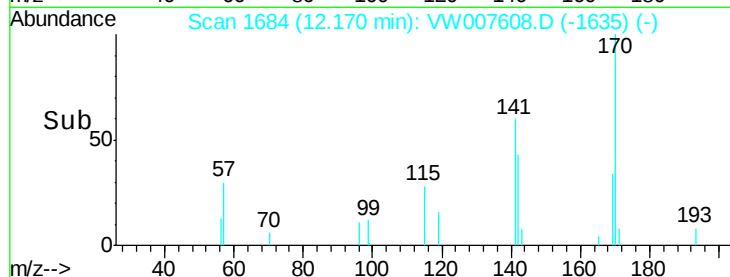
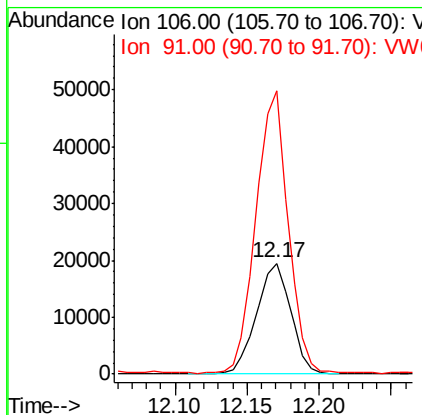
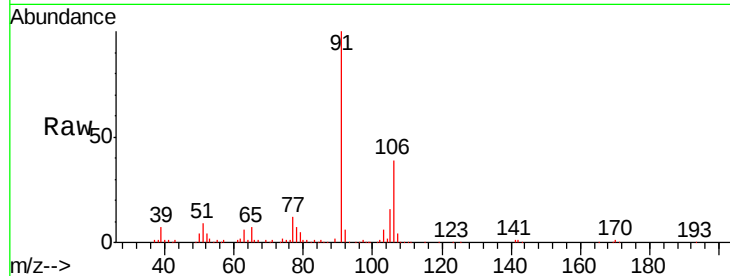
#69
o-Xylene
Concen: 86.435 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007608.D
Acq: 16 Dec 2018 04:15

Instrument :
MSVOA_W
ClientSampleId :
P001-SD013-0006-01

Tgt Ion:106 Resp: 31709
Ion Ratio Lower Upper
106 100
91 241.4 106.6 319.8

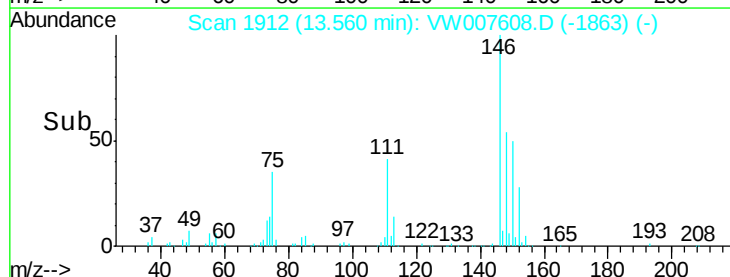
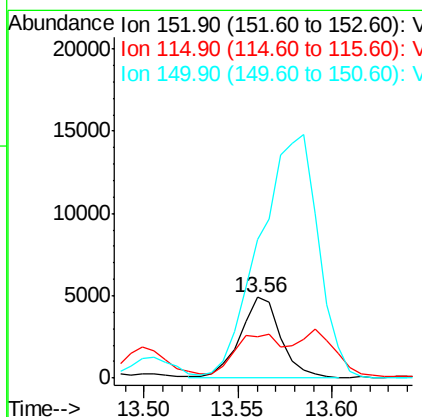
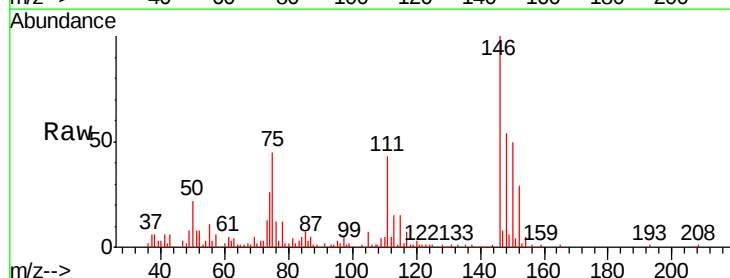
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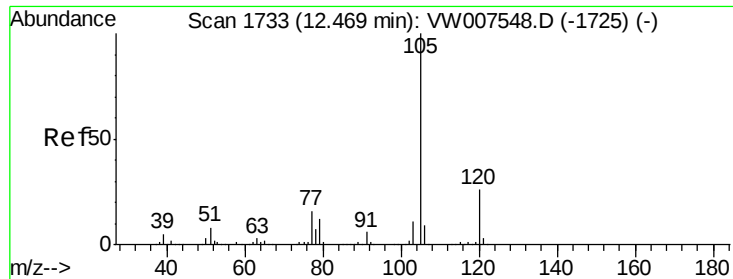
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007608.D
Acq: 16 Dec 2018 04:15

Tgt Ion:152 Resp: 7406
Ion Ratio Lower Upper
152 100
115 53.3 31.4 94.2
150 0.0 0.0 358.4





#73

Isopropylbenzene

Concen: 105.092 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007608.D

Acq: 16 Dec 2018 04:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SD013-0006-01

Tgt Ion: 105 Resp: 59637

Ion Ratio Lower Upper

105 100

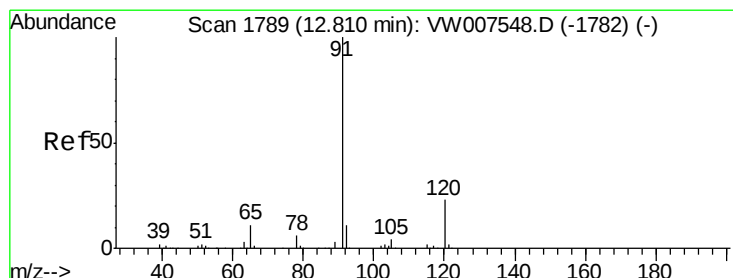
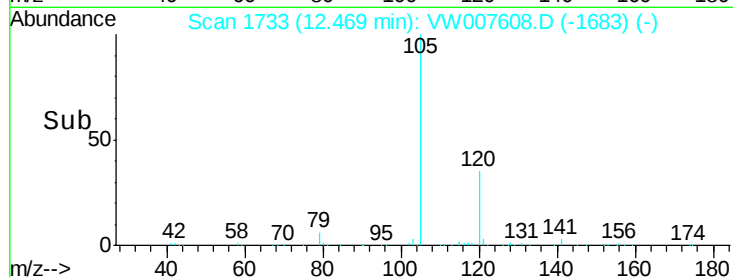
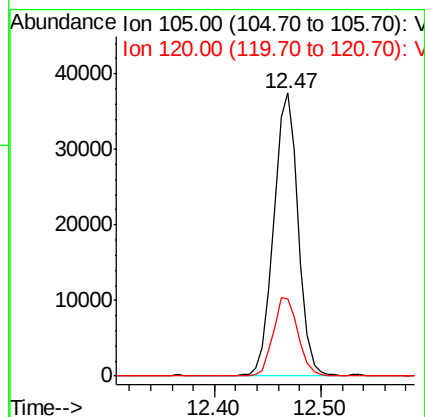
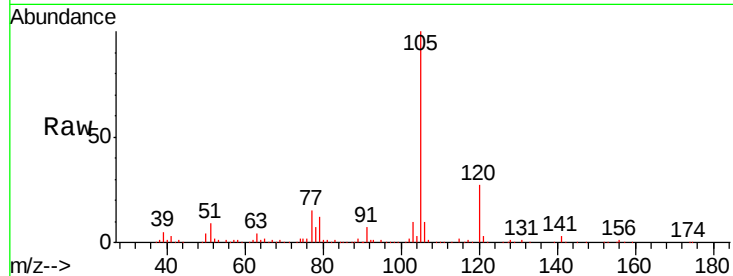
120 28.3 12.8 38.4

Manual Integrations

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#78

n-propylbenzene

Concen: 129.043 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007608.D

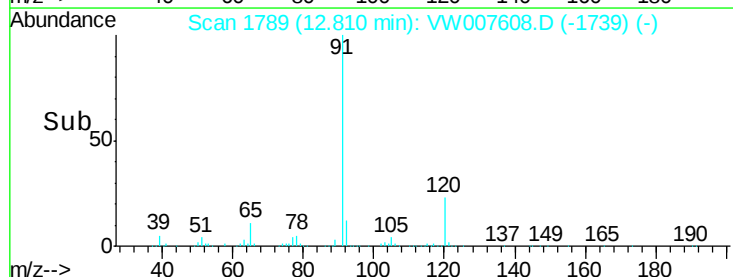
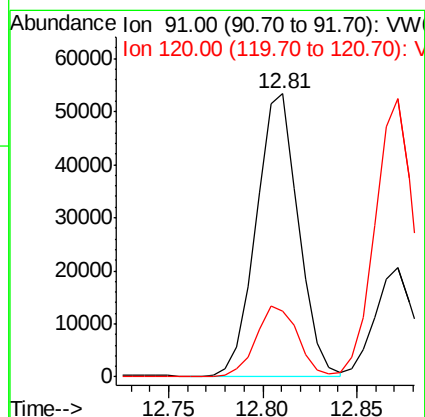
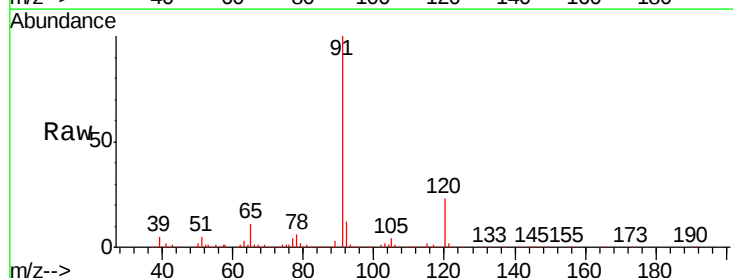
Acq: 16 Dec 2018 04:15

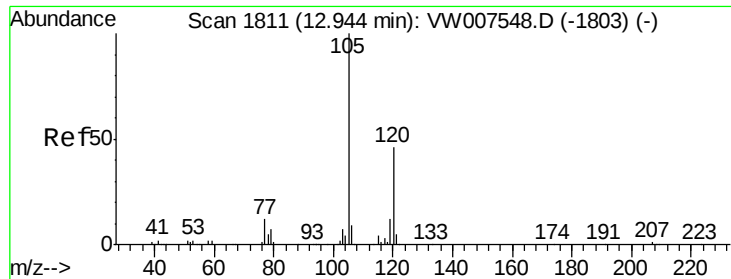
Tgt Ion: 91 Resp: 82412

Ion Ratio Lower Upper

91 100

120 24.9 11.9 35.5





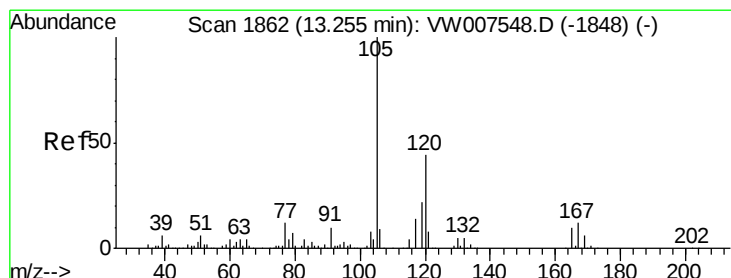
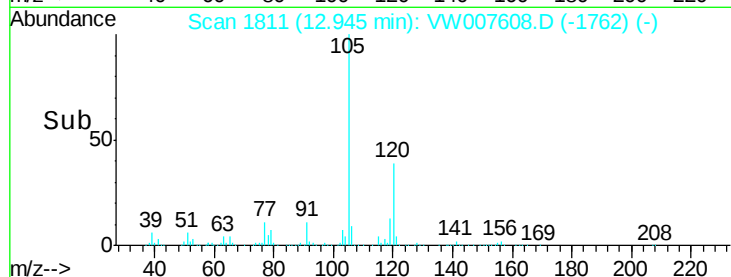
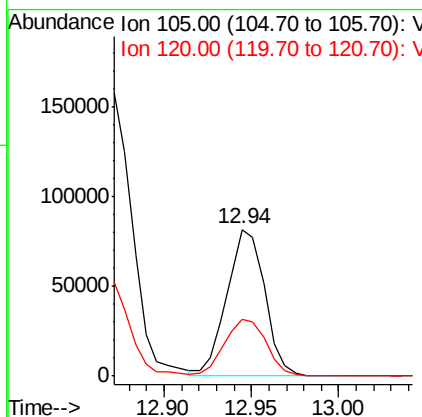
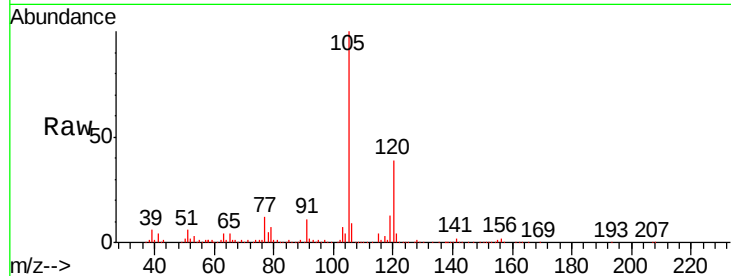
#80
 1,3,5-Trimethylbenzene
 Concen: 258.225 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007608.D
 Acq: 16 Dec 2018 04:15

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD013-0006-01

Tgt Ion:105 Resp: 123127
 Ion Ratio Lower Upper
 105 100
 120 42.9 23.8 71.4

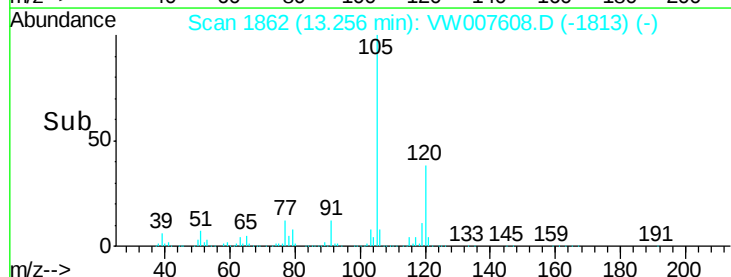
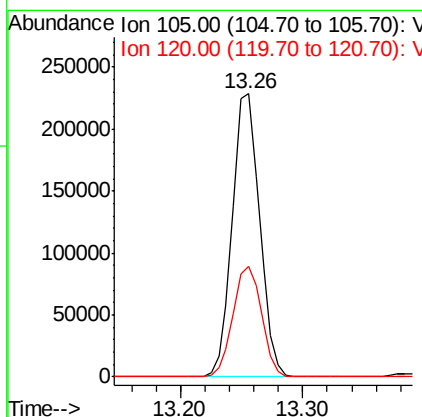
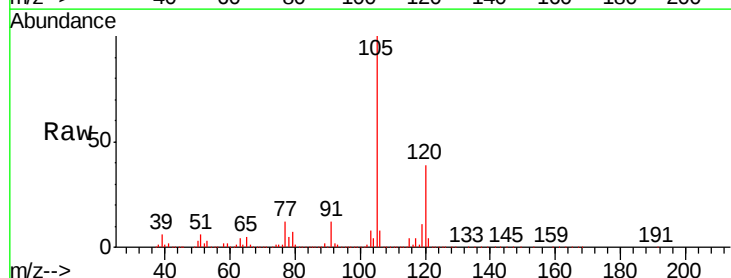
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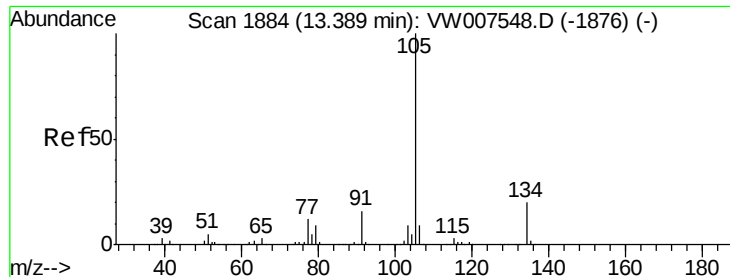
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#84
 1,2,4-Trimethylbenzene
 Concen: 717.316 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007608.D
 Acq: 16 Dec 2018 04:15

Tgt Ion:105 Resp: 351967
 Ion Ratio Lower Upper
 105 100
 120 40.9 22.6 67.7





#85

sec-Butylbenzene

Concen: 8.866 ug/l m

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007608.D

Acq: 16 Dec 2018 04:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SD013-0006-01

Tgt Ion:105 Resp: 5085

Ion Ratio Lower Upper

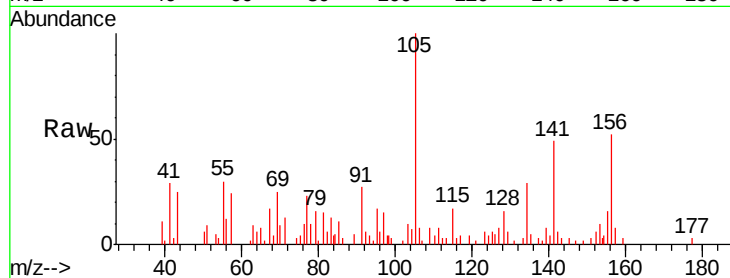
105 100

134 0.0 11.1 33.3#

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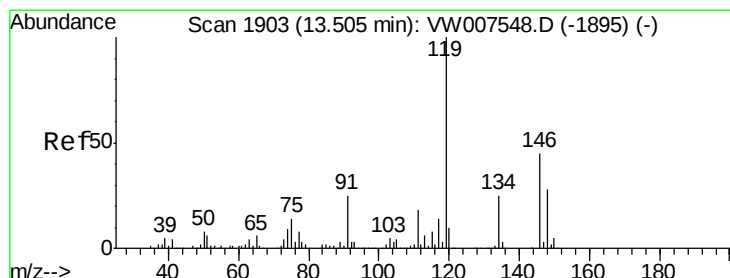
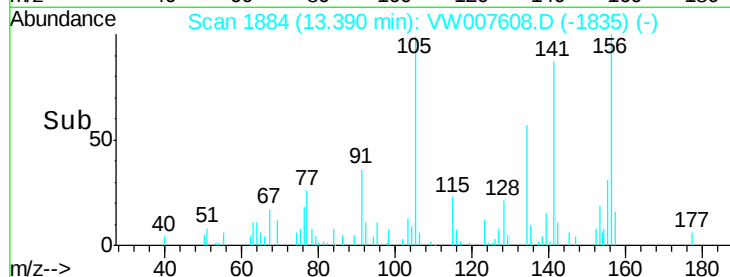
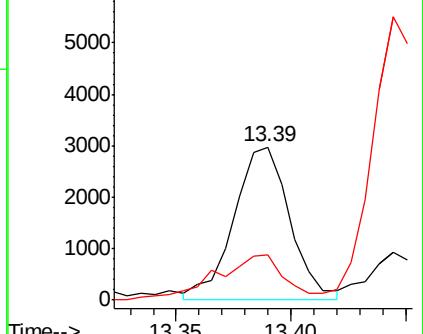
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.306 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007608.D

Acq: 16 Dec 2018 04:15

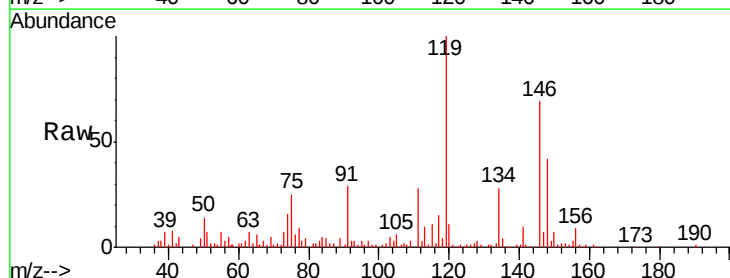
Tgt Ion:119 Resp: 26951

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.7

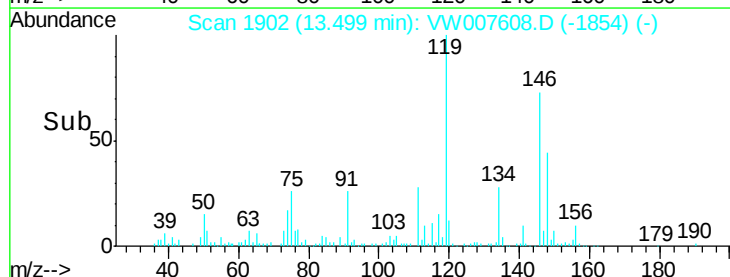
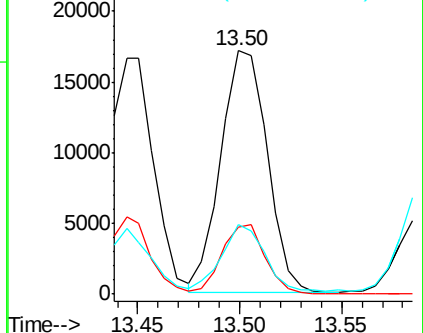
91 25.5 11.9 35.9

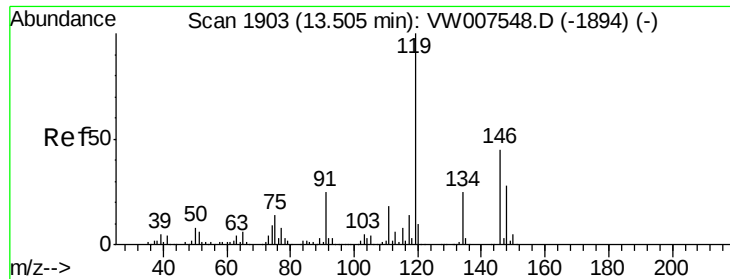


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





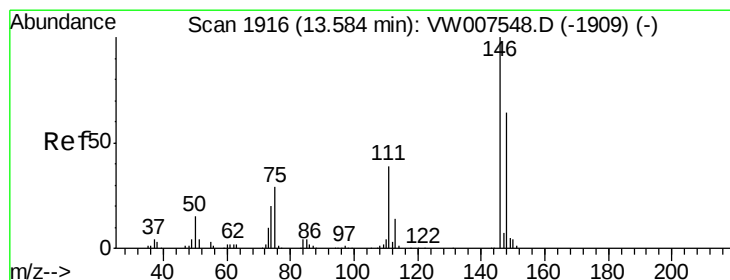
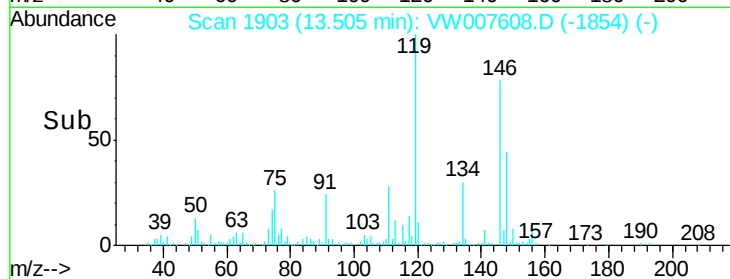
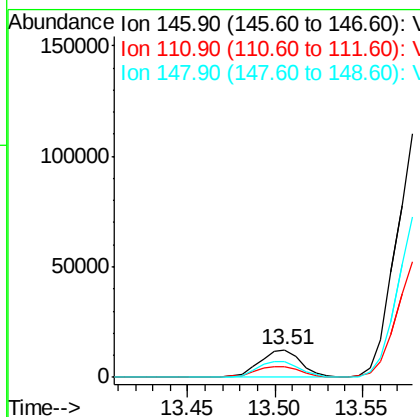
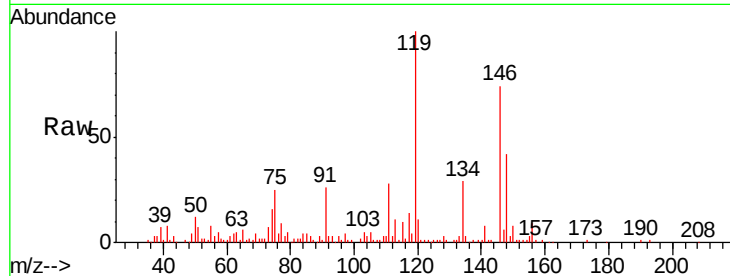
#87
 1,3-Dichlorobenzene
 Concen: 81.493 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007608.D
 Acq: 16 Dec 2018 04:15

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD013-0006-01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.3
148	61.0	31.4	94.0

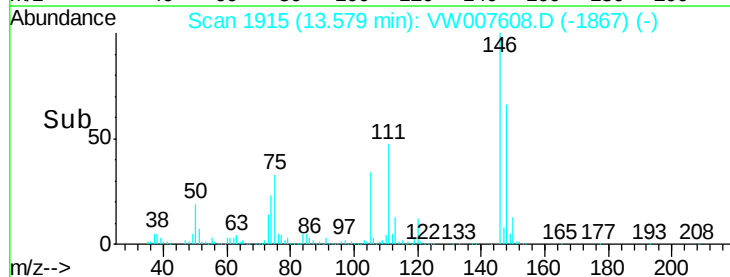
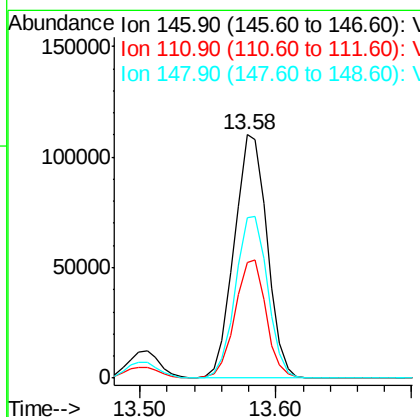
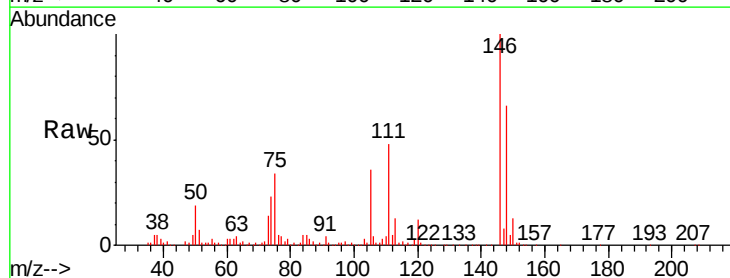
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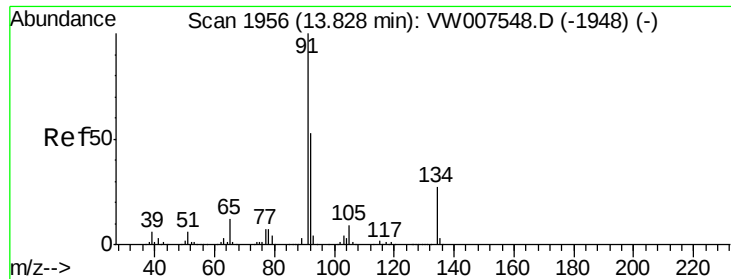
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#88
 1,4-Dichlorobenzene
 Concen: 734.883 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW007608.D
 Acq: 16 Dec 2018 04:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.3	61.0
148	65.3	33.5	100.5





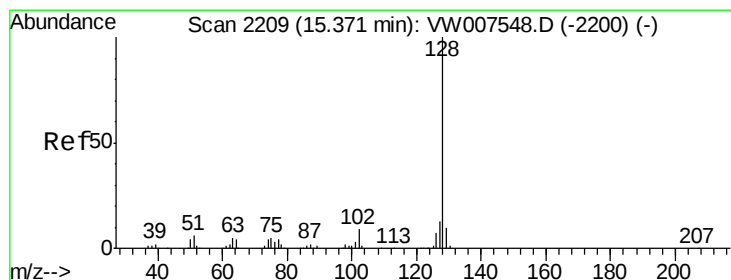
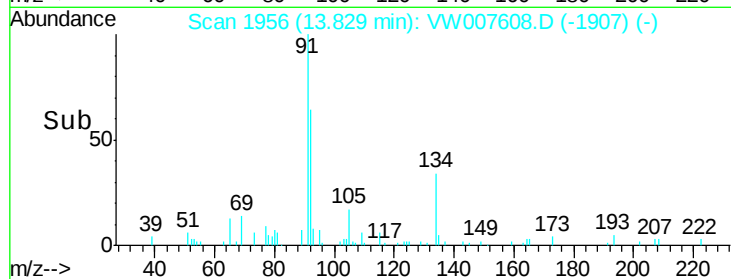
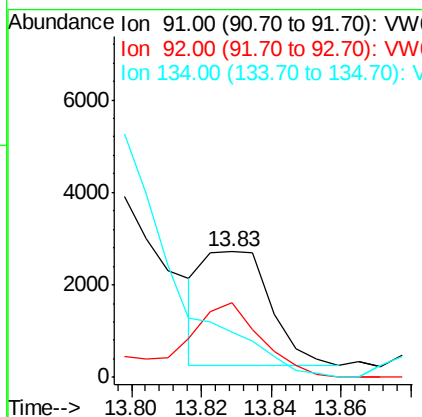
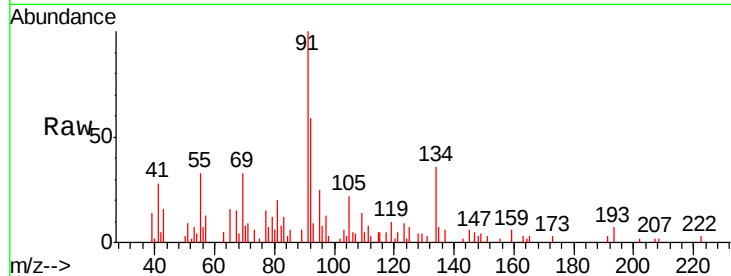
#89
n-Butylbenzene
Concen: 6.772 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007608.D
Acq: 16 Dec 2018 04:15

Instrument :
MSVOA_W
ClientSampleId :
P001-SD013-0006-01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	89.0	25.7	77.1#
134	0.0	13.4	40.2#

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#95
Naphthalene
Concen: 468.276 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007608.D
Acq: 16 Dec 2018 04:15

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.2	15.4
129	10.7	8.3	12.5

